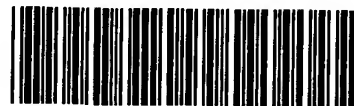


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/758,422
Source: 1 Fw0
Date Processed by STIC: 11/18/04

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/758,422

DATE: 11/18/2004

TIME: 12:33:52

Input Set : A:\10758422.ST25.txt

Output Set: N:\CRF4\11182004\J758422.raw

3 <110> APPLICANT: Andersson, Lief
 4 Kijas, James
 5 Guiffra, Elisabetta
 6 Evans, Gary Jon
 7 Wales, Richard
 8 Plastow, Graham Stuart
 10 <120> TITLE OF INVENTION: Methods for Analysing Animal Products
 12 <130> FILE REFERENCE: 62781.000013
 14 <140> CURRENT APPLICATION NUMBER: 10/758,422
 15 <141> CURRENT FILING DATE: 2004-01-16
 17 <150> PRIOR APPLICATION NUMBER: 09/450,651
 18 <151> PRIOR FILING DATE: 1999-11-30
 20 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01531
 21 <151> PRIOR FILING DATE: 1998-05-27
 23 <150> PRIOR APPLICATION NUMBER: GB 9801990
 24 <151> PRIOR FILING DATE: 1998-01-31
 26 <150> PRIOR APPLICATION NUMBER: GB 9711214.8
 27 <151> PRIOR FILING DATE: 1997-05-30
 29 <160> NUMBER OF SEQ ID NOS: 69
 31 <170> SOFTWARE: PatentIn version 3.3
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 33
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: aMSHR Forward Primer 1
 41 <400> SEQUENCE: 1
 42 tgtaaaacga cggccagtrg tgcctggagg tgt 33
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 24
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: aMSHR Reverse Primer 5
 53 <400> SEQUENCE: 2
 54 cgcccagatg gccgcgatgg accg 24
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 24
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: aMSHR Forward Primer 2
 65 <400> SEQUENCE: 3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/758,422

DATE: 11/18/2004

TIME: 12:33:52

Input Set : A:\10758422.ST25.txt

Output Set: N:\CRF4\11182004\J758422.raw

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69 <210> SEQ ID NO: 4
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72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: aMSHR Reverse Primer 2
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78 ggaaggcgta gatgaggggg tcca 24
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 24
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: aMSHR Forward Primer 3
89 <400> SEQUENCE: 5
90 gcacatcgcc cggtccaca agac 24
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94 <211> LENGTH: 24
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: aMSHR Reverse Primer 3
101 <400> SEQUENCE: 6
102 ggggcagagg acgacgaggg agag 24
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 30
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: LA93 Forward Primer
113 <400> SEQUENCE: 7
114 gaggagcccc taccgccgaa tgccagttga 30
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 40
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: KIT56 Reverse Primer
125 <400> SEQUENCE: 8
126 ctttaaaaca gaacataaaa gcggaaacat catgcgaagg 40
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 37
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: MSHR Forward Primer 1
137 <400> SEQUENCE: 9
138 tgtaaaacga cggccagtrg tgcctggagg tgtccat 37

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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: MSHR Forward Primer 5
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153 <210> SEQ ID NO: 11
154 <211> LENGTH: 27
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: aMSHR Forward Primer 4
161 <400> SEQUENCE: 11
162 tgcgctacca cagcatcgtg accctgc            27
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 24
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: aMSHR Reverse Primer 4
173 <400> SEQUENCE: 12
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177 <210> SEQ ID NO: 13
178 <211> LENGTH: 22
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Forward Primer
185 <400> SEQUENCE: 13
186 ctgcctggcc gtgtcggacc tg                  22
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 24
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Reverse Primer
197 <400> SEQUENCE: 14
198 ctgtggtagc gcagcgcgta gaag                24
201 <210> SEQ ID NO: 15
202 <211> LENGTH: 20
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Example 7 Primer
209 <400> SEQUENCE: 15
210 tgaggtagga gagttttggg                    20
213 <210> SEQ ID NO: 16

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PATENT APPLICATION: US/10/758,422

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Input Set : A:\10758422.ST25.txt

Output Set: N:\CRF4\11182004\J758422.raw

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214 <211> LENGTH: 20
215 <212> TYPE: DNA
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221 <400> SEQUENCE: 16
222 tcgaaattga ggggaagacc                                20
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226 <211> LENGTH: 25
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: KIT1F Primer
233 <400> SEQUENCE: 17
234 tcrtacatag aaagagaygt gactc                                25
237 <210> SEQ ID NO: 18
238 <211> LENGTH: 23
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: KIT7R Primer
245 <400> SEQUENCE: 18
246 agccttcctt gatcatcttg tag                                23
249 <210> SEQ ID NO: 19
250 <211> LENGTH: 22
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: KIT21 Primer
257 <400> SEQUENCE: 19
258 gtattcacag agacttggcg gc                                22
261 <210> SEQ ID NO: 20
262 <211> LENGTH: 26
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: KIT35 Primer
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270 aaacctgcaa ggaaaatcct tcacgg                                26
273 <210> SEQ ID NO: 21
274 <211> LENGTH: 25
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Example 12 KIT Forward Primer
281 <400> SEQUENCE: 21
282 gaatattggt gctatgggtga tctcc                                25
285 <210> SEQ ID NO: 22
286 <211> LENGTH: 22

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RAW SEQUENCE LISTING

DATE: 11/18/2004

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TIME: 12:33:52

Input Set : A:\10758422.ST25.txt

Output Set: N:\CRF4\11182004\J758422.raw

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287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
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297 <210> SEQ ID NO: 23
298 <211> LENGTH: 22
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Example 12 CRC Forward Primer
305 <400> SEQUENCE: 23
306 ctggatgtcc tgtgttccct gt
309 <210> SEQ ID NO: 24
310 <211> LENGTH: 23
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Example 12 CRC Reverse Primer
317 <400> SEQUENCE: 24
318 aggtttgtct gcagcagaag ctc
321 <210> SEQ ID NO: 25
322 <211> LENGTH: 26
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Example 14 KITDEL2 Forward Primer
329 <400> SEQUENCE: 25
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333 <210> SEQ ID NO: 26
334 <211> LENGTH: 23
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Example 14 KITDEL2 Reverse Primer
341 <400> SEQUENCE: 26
342 agccttcctt gatcatcttg tag
345 <210> SEQ ID NO: 27
346 <211> LENGTH: 22
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Example 15 KITDEL1 Forward Primer
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354 tgtgggagct cttctcttta gg
357 <210> SEQ ID NO: 28
358 <211> LENGTH: 23
359 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/18/2004
PATENT APPLICATION: US/10/758,422 TIME: 12:33:53

Input Set : A:\10758422.ST25.txt
Output Set: N:\CRF4\11182004\J758422.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:58; Xaa Pos. 1
Seq#:59; Xaa Pos. 1
Seq#:60; Xaa Pos. 1
Seq#:61; Xaa Pos. 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/758,422

DATE: 11/18/2004

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Input Set : A:\10758422.ST25.txt

Output Set: N:\CRF4\11182004\J758422.raw

L:856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0